CELL
cant: JENSEN, M.
a: April 30, 2001
Examiner: Unassigned
Our Docket No.: 24751-2502

Sec. 6.23 End offen (a.2) Her.

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Serial No.: 09/846,637 Art Unit: 1645

+3						M A D
1	CACCGGCGAA	GGAGGATCGA	ATTCCTGCAG	CCCGCTATCT	GCAGGCCGCC	ACCATGGCCG
	GTGGCCGCTT	CCTCCTAGCT	TAAGGACGTC	GGGCGATAGA	CGTCCGGCGG	TGGTACCGGC
+3	D Y L I	S G G	T S Y	V P D D	G L T	AQQL
61	ACTACCTGAT	TAGTGGGGGC	ACGTCCTACG	TGCCAGACGA	CGGACTCACA	GCACAGCAGC
	TGATGGACTA	ATCACCCCCG	TGCAGGATGC	ACGGTCTGCT	GCCTGAGTGT	CGTGTCGTCG
+3	L F N C	G D G	L T Y	N D F L	I L P	G Y I D
121	TCTTCAACTG	CGGAGACGGC	CTCACCTACA	ATGACTTTCT	CATTCTCCCT	GGGTACATCG
	AGAAGTTGAC	GCCTCTGCCG	GAGTGGATGT	TACTGAAAGA	GTAAGAGGGA	CCCATGTAGC
+3	D F T A	D Q V	DLT	S A L T	K K I	тькт
181	ACTTCACTGC	AGACCAGGTG	GACCTGACTT	CTGCTCTGAC	CAAGAAAATC	ACTCTTAAGA
	TGAAGTGACG	TCTGGTCCAC	CTGGACTGAA	GACGAGACTG	GTTCTTTTAG	TGAGAATTCT
	7 D L P	-3-3-7-	-M-D-T	₩	G W A	TOTOTOTOT
241	CCCCACTGGT	TTCCTCTCCC	ATGGACACAG	TCACAGAGGC	TGGGATGGCC	ATAGCAATGG
	GGGGTGACCA	AAGGAGAGGG	TACCTGTGTC	AGTGTCTCCG	ACCCTACCGG	TATCGTTACC
+3	A L T G	G I G	FIH	H N C T	PEF	O A N E
301	CGCTTACAGG	CGGTATTGGC			ACCTGAATTC	CAGGCCAATG
	GCGAATGTCC	GCCATAACCG	AAGTAGGTGG	TGTTGACATG	TGGACTTAAG	GTCCGGTTAC
+3	E V R K	V K K	Y E O	G F I T	D P V	V L S P
361	AAGTTCGGAA	AGTGAAGAAA	TATGAACAGG	GATTCATCAC	AGACCCTGTG	GTCCTCAGCC
001	TTCAAGCCTT	TCACTTCTTT	ATACTTGTCC	CTAAGTAGTG	TCTGGGACAC	CAGGAGTCGG
+3	P K D R	V R D	V F E	A K A R	H G F	
421	CCAAGGATCG	CGTGCGGGAT				
421	GGTTCCTAGC		CAAAAACTCC		GCATGGTTTC	
+3	P I T D					
481			M G S	R L V G	I I S	S R D I
401	CAATCACAGA GTTAGTGTCT		ATGGGGAGCC			
. 3	_	GTGTCCGGCC	TACCCCTCGG			
+3	I D F L	K E E	E H D	C F L E	E I M	TKRE
541	TTGATTTTCT				AGAGATAATG	
. 3	AACTAAAAGA	0111010010				TGTTTCTCCC
+3	E D L V	V A P	A G I	T L K E	A N E	I L Q R
601	AAGACTTGGT				GGCAAATGAA	
_	TTCTGAACCA		CGTCCGTAGT		CCGTTTACTT	TAAGACGTCG
+3	R S K K	G K L	PIV	N E D D	E L V	AIIA
661		GGGAAAGTTG				
_	CGTCGTTCTT		GGGTAACATT		ACTCGAACAC	
+3	ARTD	L K K	N R D	Y P L A	S K D	A K K Q
721	CCCGGACAGA	0010.10.110	AATCCGGACT		CTCCAAAGAT	GCCAAGAAAC
_	GGGCCTGTCT	GGACTTCTTC	TTAGCCCTGA	TGGGTGATCG	GAGGTTTCTA	CGGTTCTTTG
+3	Q L L C	<u>G A A</u>	I G T	H E D D	K Y R	L D L L
781	AGCTGCTGTG	TGGGGCAGCC	ATTGGCACTC	ATGAGGATGA	CAAGTATAGG	CTGGACTTGC
	TCGACGACAC		TAACCGTGAG	TACTCCTACT	GTTCATATCC	GACCTGAACG
+3	L A Q A	G V D	V V V	L D S S	Q G N	S I F Q
841	TCGCCCAGGC	TGGTGTGGAT	GTAGTGGTTT	TGGACTCTTC	CCAGGGAAAT	TCCATCTTCC
	AGCGGGTCCG	ACCACACCTA	CATCACCAAA	ACCTGAGAAG	GGTCCCTTTA	AGGTAGAAGG
+3	Q I N M	I K Y	I K D	K Y P N	L Q V	I G G N
901					TCTCCAAGTC	
					AGAGGTTCAG	

Title: SELECTION SYSTEMS FOR GENETICALLY MODIFIED Applicant: JENSEN, M. Filed: April 30, 2001

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Examiner: Unassigned

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Serial No.: 09/846,637 Art Unit: 1645

+3 A A Q A K N LIDA G V ATGTGGTCAC TGCTGCCCAG GCCAAGAACC TCATTGATGC AGGTGTGGAT GCCCTGCGGG 961 TACACCAGTG ACGACGGGTC CGGTTCTTGG AGTAACTACG TCCACACCTA CGGGACGCCC +3 G M G S G S Ι CI Ι \mathbf{E} V L A C Q G R P Q 1021 TGGGCATGGG AAGTGGCTCC ATCTGCATTA TCCAGGAAGT GCTGGCCTGT GGGCGGCCCC ACCCGTACCC TTCACCGAGG TAGACGTAAT AGGTCCTTCA CGACCGGACA CCCGCCGGGG V Y E Y A R R +3 V Y K F G V 1081 AAGCAACAGC AGTGTACAAG GTGTATGAGT ATGCACGGCG CTTTGGTGTT CCGGTCATTG TTCGTTGTCG TCACATGTTC CACATACTCA TACGTGCCGC GAAACCACAA GGCCAGTAAC +3 G G I Q N V G Η Ι AKA L A ${f L}$ G Α CTGATGGAGG AATCCAAAAT GTGGGTCATA TTGCGAAAGC CTTGGCCCTT GGGGCCTCCA 1141 GACTACCTCC TTAGGTTTTA CACCCAGTAT AACGCTTTCG GAACCGGGAA CCCCGGAGGT M G S L Α L Α T E Α G 1201 CAGTCATGAT GGGCTCTCTC CTGGCTGCCA CCACTGAGGC CCCTGGTGAA TACTTCTTTT GTCAGTACTA CCCGAGAGAG GACCGACGGT GGTGACTCCG GGGACCACTT ATGAAGAAAA +3 R L K K Y R G M G S L D Μ CCGATGGGAT CCGGCTAAAG AAATATCGCG GTATGGGTTC TCTCGATGCC ATGGACAAGC 1261 GGCTACCCTA GGCCGATTTC TTTATAGCGC CATACCCAAG AGAGCTACGG TACCTGTTCG S S Y F +3 0 N R Ε Α D K Ι K V 1321 ACCTCAGCAG CCAGAACAGA TATTTCAGTG AAGCTGACAA AATCAAAGTG GCCCAGGGAG TGGAGTCGTC GGTCTTGTCT ATAAAGTCAC TTCGACTGTT TTAGTTTCAC CGGGTCCCTC +3 G A V 0 D K G S I H K F V P Y 1381 TGTCTGGTGC TGTGCAGGAC AAAGGGTCAA TCCACAAATT TGTCCCTTAC CTGATTGCTG ACAGACCACG ACACGTCCTG TTTCCCAGTT AGGTGTTTAA ACAGGGAATG GACTAACGAC Ι Q H S C I G A K S R A M M +3 Q D L ${f T}$ Q V GCATCCAACA CTCATGCCAG GACATTGGTG CCAAGAGCTT GACCCAAGTC CGAGCCATGA 1441 CGTAGGTTGT GAGTACGGTC CTGTAACCAC GGTTCTCGAA CTGGGTTCAG GCTCGGTACT +3 Y S G E L K F E K R ${f T}$ S S Q V E Α 1501 TGTACTCTGG GGAGCTTAAG TTTGAGAAGA GAACGTCCTC AGCCCAGGTG GAAGGTGGCG ACATGAGACC CCTCGAATTC AAACTCTTCT CTTGCAGGAG TCGGGTCCAC CTTCCACCGC V H S L H S Y E K R L F TCCATAGCCT CCATTCGTAT GAGAAGCGGC TTTTCTGATC TAGCTCGACA TGATAAGATA AGGTATCGGA GGTAAGCATA CTCTTCGCCG AAAAGACTAG ATCGAGCTGT ACTATTCTAT 1621 CATTGATGAG TTTGGACAAA CCACAACTAG AATGCAGTGA AAAAAATGCT TTATTTGTGA GTAACTACTC AAACCTGTTT GGTGTTGATC TTACGTCACT TTTTTTACGA AATAAACACT 1681 AATTTGTGAT GCTATTGCTT TATTTGTGAA ATTTGTGATG CTATTGCTTT ATTTGTAACC TTAAACACTA CGATAACGAA ATAAACACTT TAAACACTAC GATAACGAAA TAAACATTGG 1741 ATTATAAGCT GCAATAAACA AGTTAACAAC AACAATTGCA TTCATTTTAT GTTTCAGGTT TAATATTCGA CGTTATTTGT TCAATTGTTG TTGTTAACGT AAGTAAAATA CAAAGTCCAA 1801 CAGGGGGAGG TGTGGGAGGT TTTTTAAAGC AAGTAAAACC TCTACAAATG TGGTAGATCA GTCCCCCTCC ACACCCTCCA AAAAATTTCG TTCATTTTGG AGATGTTTAC ACCATCTAGT 1861 TTTAAATGTT AGCGAAGAAC ATGTGAGCAA AAGGCCAGCA AAAGGCCAGG AACCGTAAAA AAATTTACAA TCGCTTCTTG TACACTCGTT TTCCGGTCGT TTTCCGGTCC TTGGCATTTT 1921 AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC TGACGAGCAT CACAAAAATC TCCGGCGCAA CGACCGCAAA AAGGTATCCG AGGCGGGGGG ACTGCTCGTA GTGTTTTTAG GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA AAGATACCAG GCGTTTCCCC 1981 CTGCGAGTTC AGTCTCCACC GCTTTGGGCT GTCCTGATAT TTCTATGGTC CGCAAAGGGG

FIG. 1B

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2041	CTGGAAGCTC	CCTCGTGCGC	TCTCCTGTTC	CGACCCTGCC	GCTTACCGGA	TACCTGTCCG
	GACCTTCGAG	GGAGCACGCG	AGAGGACAAG	GCTGGGACGG	CGAATGGCCT	ATGGACAGGC
2101	CCTTTCTCCC	TTCGGGAAGC	GTGGCGCTTT	CTCAATGCTC	ACGCTGTAGG	TATCTCAGTT
	GGAAAGAGGG	AAGCCCTTCG	CACCGCGAAA	GAGTTACGAG	TGCGACATCC	ATAGAGTCAA
2161	CGGTGTAGGT	CGTTCGCTCC	AAGCTGGGCT	GTGTGCACGA	ACCCCCGTT	CAGCCCGACC
	GCCACATCCA	GCAAGCGAGG	TTCGACCCGA	CACACGTGCT	TGGGGGGCAA	GTCGGGCTGG
2221	GCTGCGCCTT	ATCCGGTAAC	TATCGTCTTG	AGTCCAACCC	GGTAAGACAC	GACTTATCGC
	CGACGCGGAA	TAGGCCATTG	ATAGCAGAAC	TCAGGTTGGG	CCATTCTGTG	CTGAATAGCG
2281	CACTGGCAGC	AGCCACTGGT	AACAGGATTA	GCAGAGCGAG	GTATGTAGGC	GGTGCTACAG
	GTGACCGTCG	TCGGTGACCA	TTGTCCTAAT	CGTCTCGCTC	CATACATCCG	CCACGATGTC
2341	AGTTCTTGAA	GTGGTGGCCT	AACTACGGCT	ACACTAGAAG	AACAGTATTT	GGTATCTGCG
	TCAAGAACTT	CACCACCGGA	TTGATGCCCCA	TCTCATCTTC	TOCHOVEY VY	-centrarcee-
2401	CTCTGCTGAA	GCCAGTTACC	TTCGGAAAAA	GAGTTGGTAG	CTCTTGATCC	GGCAAACAAA
	GAGACGACTT	CGGTCAATGG	AAGCCTTTTT	CTCAACCATC	GAGAACTAGG	CCGTTTGTTT
2461	CCACCGCTGG	TAGCGGTGGT	TTTTTTTTTT	GCAAGCAGCA	GATTACGCGC	AGAAAAAAAG
	GGTGGCGACC	ATCGCCACCA	AAAAAACAAA	CGTTCGTCGT	CTAATGCGCG	TCTTTTTTC
2521	GATCTCAAGA	AGATCCTTTG	ATCTTTTCTA	CGGGGTCTGA	CGCTCAGTGG	AACGAAAACT
	CTAGAGTTCT	TCTAGGAAAC	TAGAAAAGAT	GCCCCAGACT	GCGAGTCACC	TTGCTTTTGA
2581	CACGTTAAGG	GATTTTGGTC	ATGGCTAGTT	AATTAAGCTG	CAATAAACAA	TCATTATTTT
	GTGCAATTCC	CTAAAACCAG	TACCGATCAA	TTAATTCGAC	GTTATTTGTT	AGTAATAAAA
2641	CATTGGATCT	GTGTGTTGGT	TTTTTGTGTG	GGCTTGGGGG	AGGGGGAGGC	CAGAATGACT
	GTAACCTAGA	CACACAACCA	AAAAACACAC	CCGAACCCCC	TCCCCCTCCG	GTCTTACTGA
2701	CCAAGAGCTA	CAGGAAGGCA	GGTCAGAGAC	CCCACTGGAC	AAACAGTGGC	TGGACTCTGC
	GGTTCTCGAT	GTCCTTCCGT	CCAGTCTCTG	GGGTGACCTG	TTTGTCACCG	ACCTGAGACG
2761	ACCATAACAC	ACAATCAACA	GGGGAGTGAG	CTGGATCGAG	CTAGAGTCCG	TTACATAACT
	TGGTATTGTG	TGTTAGTTGT	CCCCTCACTC	GACCTAGCTC	GATCTCAGGC	AATGTATTGA
2821	TACGGTAAAT	GGCCCGCCTG	GCTGACCGCC	CAACGACCCC	CGCCCATTGA	CGTCAATAAT
	ATGCCATTTA	CCGGGCGGAC	CGACTGGCGG	GTTGCTGGGG	GCGGGTAACT	GCAGTTATTA
2881	GACGTATGTT	CCCATAGTAA	CGCCAATAGG	GACTTTCCAT	TGACGTCAAT	GGGTGGAGTA
	CTGCATACAA	GGGTATCATT	GCGGTTATCC	CTGAAAGGTA	ACTGCAGTTA	CCCACCTCAT
2941	TTTACGGTAA	ACTGCCCACT	TGGCAGTACA	TCAAGTGTAT	CATATGCCAA	GTACGCCCCC
	AAATGCCATT	TGACGGGTGA	ACCGTCATGT	AGTTCACATA	GTATACGGTT	CATGCGGGGG
3001	TATTGACGTC	AATGACGGTA	AATGGCCCGC	CTGGCATTAT	GCCCAGTACA	TGACCTTATG
	ATAACTGCAG	TTACTGCCAT	TTACCGGGCG	GACCGTAATA	CGGGTCATGT	ACTGGAATAC
3061	GGACTTTCCT	ACTTGGCAGT	ACATCTACGT	ATTAGTCATC	GCTATTACCA	TGGTGATGCG
	CCTGAAAGGA	TGAACCGTCA	TGTAGATGCA	TAATCAGTAG	CGATAATGGT	ACCACTACGC
3121	GTTTTGGCAG	TACATCAATG	GGCGTGGATA	GCGGTTTGAC	TCACGGGGAT	TTCCAAGTCT
	CAAAACCGTC	ATGTAGTTAC	CCGCACCTAT	CGCCAAACTG	AGTGCCCCTA	AAGGTTCAGA
3181	CCACCCCATT	GACGTCAATG	GGAGTTTGTT	TTGGCACCAA	AATCAACGGG	ACTTTCCAAA
	GGTGGGGTAA	CTGCAGTTAC	CCTCAAACAA	AACCGTGGTT	TTAGTTGCCC	TGAAAGGTTT
3241	ATGTCGTAAC	AACTCCGCCC	CATTGACGCA	AATGGGCGGT	AGGCGTGTAC	GGTGGGAGGT
	TACAGCATTG	TTGAGGCGGG	GTAACTGCGT	TTACCCGCCA	TCCGCACATG	CCACCCTCCA
3301	CTATATAAGC	AGAGCTCGTT	TAGTGAACCG	TCAGATCGCC	TGGAGACGCC	ATCCACGCTG
	GATATATTCG	TCTCGAGCAA	ATCACTTGGC	AGTCTAGCGG	ACCTCTGCGG	TAGGTGCGAC
3361	TTTTGACCTC	CATAGAAGAC	ACCGGGACCG	ATCCAGCCTC	CGCGGCCGGG	AACGGTGCAT
	AAAACTGGAG	GTATCTTCTG	TGGCCCTGGC	TAGGTCGGAG	GCGCCGGCCC	TTGCCACGTA

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Green House II & Street Court B Green

FIG. 1C

3421	TGGAACGCGG	ATTCCCCGTG	CCAAGAGTGA	CGTAAGTACC	GCCTATAGAG	TCTATAGGCC
	ACCTTGCGCC	TAAGGGGCAC	GGTTCTCACT	GCATTCATGG	CGGATATCTC	AGATATCCGG
3481	CACCCCTTG	GCTTCTTATG	CATGCTATAC	TGTTTTTGGC	TTGGGGTCTA	TACACCCCCG
	GTGGGGGAAC	CGAAGAATAC	GTACGATATG	ACAAAAACCG	AACCCCAGAT	ATGTGGGGGC
3541	CTTCCTCATG	TTATAGGTGA	TGGTATAGCT	TAGCCTATAG	GTGTGGGTTA	TTGACCATTA
	GAAGGAGTAC	AATATCCACT	ACCATATCGA	ATCGGATATC	CACACCCAAT	AACTGGTAAT
3601	TTGACCACTC	CCCTATTGGT	GACGATACTT	TCCATTACTA	ATCCATAACA	TGGCTCTTTG
	AACTGGTGAG	GGGATAACCA	CTGCTATGAA	AGGTAATGAT	TAGGTATTGT	ACCGAGAAAC
3661	CCACAACTCT	CTTTATTGGC	TATATGCCAA	TACACTGTCC	TTCAGAGACT	GACACGGACT
	GGTGTTGAGA	GAAATAACCG	ATATACGGTT	ATGTGACAGG	AAGTCTCTGA	CTGTGCCTGA
3721	CTGTATTTTT	ACAGGATGGG	GTCTCATTTA	TTATTTACAA	ATTCACATAT	ACAACACCAC
	GACATAAAAA	TGTCCTACCC	CAGAGTAAAT	AATAAATGTT	TAAGTGTATA	TGTTGTGGTG
3781	CGTCCCCAGT	GCCCGCAGTT	TTTATTAAAC	ATAACGTCCG	ATCTCCACCC	CAATCTECCC
	GCAGGGGTCA	CGGGCGTCAA	AAATAATTTG	TATTGCACCC	TAGAGGTGCG	CTTAGAGCCC
3841	TACGTGTTCC	GGACATGGGC	TCTTCTCCGG	TAGCGGCGGA	GCTTCTACAT	CCGAGCCCTG
• • • •	ATGCACAAGG	CCTGTACCCG	AGAAGAGGCC	ATCGCCGCCT	CGAAGATGTA	GGCTCGGGAC
3901	CTCCCATGCC	TCCAGCGACT	CATGGTCGCT	CGGCAGCTCC	TTGCTCCTAA	CAGTGGAGGC
	GAGGGTACGG	AGGTCGCTGA	GTACCAGCGA	GCCGTCGAGG	AACGAGGATT	GTCACCTCCG
3961	CAGACTTAGG	CACAGCACGA	TGCCCACCAC	CACCAGTGTG	CCGCACAAGG	CCGTGGCGGT
0,000	GTCTGAATCC	GTGTCGTGCT	ACGGGTGGTG	GTGGTCACAC	GGCGTGTTCC	GGCACCGCCA
4021	AGGGTATGTG	TCTGAAAATG	AGCTCGGGGA	GCGGGCTTGC	ACCGCTGACG	CATTTGGAAG
1021		AGACTTTTAC			TGGCGACTGC	GTAAACCTTC
4081	ACTTAAGGCA		AAGATGCAGG		GTTGTGTTCT	GATAAGAGTC
1001	TGAATTCCGT	CGCCGTCTTC	TTCTACGTCC			CTATTCTCAG
4141	AGAGGTAACT	CCCGTTGCGG	TGCTGTTAAC		AGTGTAGTCT	GAGCAGTACT
1111	TCTCCATTGA		ACGACAATTG	CCACCTCCCG	TCACATCAGA	CTCGTCATGA
4201	CGTTGCTGCC	GCGCGCGCCA				TGTTCCTTTC
1201					TGATTGTCTG	ACAAGGAAAG
	CCITICOTICOC	000000001	0010101111	MCS		
		*****	****		****	* *
4261	CATGGGTCTT	TTCTGCAGTC	ACCCGGGGGA	TCCTTCGAAC	GTAGCTCTAG	ATTGAGTCGA
	GTACCCAGAA	AAGACGTCAG		AGGAAGCTTG	CATCGAGATC	TAACTCAGCT
4321	CGTTACTGGC	CGAAGCCGCT	TGGAATAAGG	CCGGTGTGCG	TTTGTCTATA	TGTTATTTTC
	GCAATGACCG	GCTTCGGCGA	ACCTTATTCC	GGCCACACGC	AAACAGATAT	ACAATAAAAG
4381	CACCATATTG	CCGTCTTTTG		GGCCCGGAAA	CCTGGCCCTG	TCTTCTTGAC
	GTGGTATAAC	GGCAGAAAAC			GGACCGGGAC	AGAAGAACTG
4441	GAGCATTCCT	AGGGGTCTTT		CAAAGGAATG	CAAGGTCTGT	TGAATGTCGT
	CTCGTAAGGA		GGGGAGAGCG			ACTTACAGCA
4501	GAAGGAAGCA		AAGCTTCTTG		ACGTCTGTAG	CGACCCTTTG
	CTTCCTTCGT	CAAGGAGACC			TGCAGACATC	GCTGGGAAAC
4561	CAGGCAGCGG	AACCCCCCAC			GGCCAAAAGC	CACGTGTATA
	GTCCGTCGCC	TTGGGGGGTG				GTGCACATAT
4621		GCAAAGGCGG				TAGTTGTGGA
			-			ATCAACACCT
4681					CTGAAGGATG	
					GACTTCCTAC	
4741						GTGTTTAGTC
- · • •						CACAAATCAG
					-	

FIG. 1D

CELL
Applicant: JENSEN, M.
Filed: April 30, 2001
Examiner: Unassigned
Our Docket No.: 24751-2502

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	4801	GAGGTTAAAA	AAACGTCTAG	GCCCCCGAA	CCACGGGGAC	GTGGTTTTCC	ТТТСАДАДАС
		CTCCAATTTT	TTTGCAGATC			CACCAAAAGG	AAACTTTTTG
	4861	ACGATAATAC	CATGGGTAAG	TGATATCTAC	TAGTTGTGAC		TGTTGACAAT
		TGCTATTATG	GTACCCATTC	ATCATAGATG	ATCAACACTG	GCCGCGGATC	ACAACTGTTA
	4921	TAATCATCGG	CATAGTATAT	CGGCATAGTA		CACTATAGGA	GGGCCACCAT
		ATTAGTAGCC	GTATCATATA	GCCGTATCAT	ATTATGCTGA		CCCGGTGGTA
	4981	GTCGACTACT	AACCTTCTTC		AGCTGAGATC		GGGCCATCAT
		CAGCTGATGA	TTGGAAGAAG		TCGACTCTAG	TGGCCATCCT	CCCGGTAGTA
	5041	GAAAAAGCCT	GAACTCACCG	CGACGTCTGT	CGCGAAGTTT	CTGATCGAAA	
		CTTTTTCGGA	CTTGAGTGGC	GCTGCAGACA	GCGCTTCAAA		TCAAGCTGTC
	5101	CGTCTCCGAC	CTGATGCAGC	TCTCGGAGGG	CGAAGAATCT	CGTGCTTTCA	GCTTCGATGT
		CCACACCCTC		->0.00000000000000000000000000000000000		GCACGAAAGI	CGAAGCTACA
	5161	AGGAGGGCGT	GGATATGTCC	TGCGGGTAAA	TAGCTGCGCC	GATGGTTTCT	ACAAAGATCG
==		TCCTCCCGCA	CCTATACAGG	ACGCCCATTT	ATCGACGCGG	CTACCAAAGA	TGTTTCTAGC
IJ.	5221	TTATGTTTAT	CGGCACTTTG	CATCGGCCGC	GCTCCCGATT	CCGGAAGTGC	TTGACATTGG
ij		AATACAAATA	GCCGTGAAAC	GTAGCCGGCG	CGAGGGCTAA	GGCCTTCACG	AACTGTAACC
	5281	GGAATTCAGC	GAGAGCCTGA	CCTATTGCAT	CTCCCGCCGT	GCACAGGGTG	TCACGTTGCA
		CCTTAAGTCG	CTCTCGGACT	GGATAACGTA	GAGGGCGGCA	CGTGTCCCAC	AGTGCAACGT
	5341	AGACCTGCCT	GAAACCGAAC	TGCCCGCTGT	TCTGCAACCC	GTCGCGGAGC	TCATGGATGC
		TCTGGACGGA	CTTTGGCTTG	ACGGGCGACA	AGACGTTGGG	CAGCGCCTCG	AGTACCTACG
	5401	GATCGCTGCG	GCCGATCTTA	GCCAGACGAG	CGGGTTCGGC	CCATTCGGAC	CGCAAGGAAT
~4		CTAGCGACGC	CGGCTAGAAT	CGGTCTGCTC	GCCCAAGCCG	GGTAAGCCTG	GCGTTCCTTA
e E	5461	CGGTCAATAC	ACTACATGGC	GTGATTTCAT	ATGCGCGATT	GCTGATCCCC	ATGTGTATCA
		GCCAGTTATG		CACTAAAGTA			TACACATAGT
	5521	CTGGCAAACT	GTGATGGACG	ACACCGTCAG	TGCGTCCGTC	GCGCAGGCTC	TCGATGAGCT
		GACCGTTTGA		TGTGGCAGTC			
i je	5581	GATGCTTTGG		GCCCCGAAGT	CCGGCACCTC	GTGCACGCGG	ATTTCGGCTC
		CTACGAAACC		CGGGGCTTCA			TAAAGCCGAG
	5641	CAACAATGTC		ATGGCCGCAT			
				TACCGGCGTA			CGCTCCGCTA
	5701	GTTCGGGGAT		AGGTCGCCAA		TGGAGGCCGT	GGTTGGCTTG
				TCCAGCGGTT		ACCTCCGGCA	-
	5761	TATGGAGCAG		ACTTCGAGCG			
				TGAAGCTCGC			
	5821	GCTCCGGGCG		GCATTGGTCT			
				CGTAACCAGA			
	5881			GGGCGCAGGG			
	50.4			CCCGCGTCCC			
	5941			AAATCGCCCG			
				TTTAGCGGGC			
	6001			TCGACCAGGC			
				AGCTGGTCCG			
	6061	TACGGCGTTG	CGCCCTCGCC	GGCAGCAAGA	AGCCACGGAA	GTCCGCCCGG	AGCAGAAAAT
	~ 4 ~ -	ATGCCGCAAC	GCGGGAGCGG	CCGTCGTTCT	TCGGTGCCTT	CAGGCGGGCC	TCGTCTTTTA
	6121	GCCCACGCTA	CTGCGGGTTT	ATATAGACGG	TCCCCACGGG	ATGGGGAAAA	CCACCACCAC
		CGGGTGCGAT	GACGCCCAAA	TATATCTGCC	AGGGGTGCCC	TACCCCTTTT	GGTGGTGGTG

FIG. 1E

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Our Docket No.: 24751-2502

Serial No.: 09/846,637 Art Unit: 1645

GCAACTGCTG GTGGCCCTGG GTTCGCGCGA CGATATCGTC TACGTACCCG AGCCGATGAC 6181 CGTTGACGAC CACCGGGACC CAAGCGCGCT GCTATAGCAG ATGCATGGGC TCGGCTACTG 6241 TTACTGGCGG GTGCTGGGGG CTTCCGAGAC AATCGCGAAC ATCTACACCA CACAACACCG AATGACCGCC CACGACCCCC GAAGGCTCTG TTAGCGCTTG TAGATGTGGT GTGTTGTGGC CCTCGACCAG GGTGAGATAT CGGCCGGGGA CGCGGCGGTG GTAATGACAA GCGCCCAGAT 6301 GGAGCTGGTC CCACTCTATA GCCGGCCCCT GCGCCGCCAC CATTACTGTT CGCGGGTCTA 6361 AACAATGGGC ATGCCTTATG CCGTGACCGA CGCCGTTCTG GCTCCTCATA TCGGGGGGGA TTGTTACCCG TACGGAATAC GGCACTGGCT GCGGCAAGAC CGAGGAGTAT AGCCCCCCCT GGCTGGGAGC TCACATGCCC CGCCCCCGGC CCTCACCCTC ATCTTCGACC GCCATCCCAT 6421 CCGACCCTCG AGTGTACGGG GCGGGGGCCG GGAGTGGGAG TAGAAGCTGG CGGTAGGGTA CGCCGCCCTC CTGTGCTACC CGGCCGCGC GTACCTTATG GGCAGCATGA CCCCCCAGGC 6481 CCCCCCCCA CACACCATES SECSESCOC CATGGAATAC CCGTCGTACT GGGGGGTCCG CGTGCTGGCG TTCGTGGCCC TCATCCCGCC GACCTTGCCC GGCACCAACA TCGTGCTTGG 6541 GCACGACCGC AAGCACCGGG AGTAGGGCGG CTGGAACGGG CCGTGGTTGT AGCACGAACC GGCCCTTCCG GAGGACAGAC ACATCGACCG CCTGGCCAAA CGCCAGCGCC CCGGCGAGCG 6601 CCGGGAAGGC CTCCTGTCTG TGTAGCTGGC GGACCGGTTT GCGGTCGCGG GGCCGCTCGC GCTGGACCTG GCTATGCTGG CTGCGATTCG CCGCGTTTAC GGGCTACTTG CCAATACGGT 6661 CGACCTGGAC CGATACGACC GACGCTAAGC GGCGCAAATG CCCGATGAAC GGTTATGCCA 6721 GCGGTATCTG CAGTGCGGCG GGTCGTGGCG GGAGGACTGG GGACAGCTTT CGGGGACGGC CGCCATAGAC GTCACGCCGC CCAGCACCGC CCTCCTGACC CCTGTCGAAA GCCCCTGCCG 6781 CGTGCCGCCC CAGGGTGCCG AGCCCCAGAG CAACGCGGGC CCACGACCCC ATACGGGGGA GCACGGCGG GTCCCACGGC TCGGGGTCTC GTTGCGCCCG GGTGCTGGGG TATAGCCCCT CACGTTATTT ACCCTGTTTC GGGCCCCCGA GTTGCTGGCC CCCAACGGCG ACCTGTATAA 6841 GTGCAATAAA TGGGACAAAG CCCGGGGGCT CAACGACCGG GGGTTGCCGC TGGACATATT CGTGTTTGCC TGGGCCTTGG ACGTCTTGGC CAAACGCCTC CGTTCCATGC ACGTCTTTAT 6901 GCACAAACGG ACCCGGAACC TGCAGAACCG GTTTGCGGAG GCAAGGTACG TGCAGAAATA 6961 CCTGGATTAC GACCAATCGC CCGCCGGCTG CCGGGACGCC CTGCTGCAAC TTACCTCCGG GGACCTAATG CTGGTTAGCG GGCGGCCGAC GGCCCTGCGG GACGACGTTG AATGGAGGCC 7021 GATGGTCCAG ACCCACGTCA CCACCCCGG CTCCATACCG ACGATATGCG ACCTGGCGCG CTACCAGGTC TGGGTGCAGT GGTGGGGGCC GAGGTATGGC TGCTATACGC TGGACCGCGC 7081 CACGTTTGCC CGGGAGATGG GGGAGGCTAA CTGAGTCGAG AATTCGCTAG AGGGCCCTAT GTGCAAACGG GCCCTCTACC CCCTCCGATT GACTCAGCTC TTAAGCGATC TCCCGGGATA 7141 TCTATAGTGT CACCTAAATG CTAGAGCTCG CTGATCAGCC TCGACTGTGC CTTCTAGTTG AGATATCACA GTGGATTTAC GATCTCGAGC GACTAGTCGG AGCTGACACG GAAGATCAAC 7201 CCAGCCATCT GTTGTTTGCC CCTCCCCCGT GCCTTCCTTG ACCCTGGAAG GTGCCACTCC GGTCGGTAGA CAACAAACGG GGAGGGGGCA CGGAAGGAAC TGGGACCTTC CACGGTGAGG 7261 CACTGTCCTT TCCTAATAAA ATGAGGAAAT TGCATCGCAT TGTCTGAGTA GGTGTCATTC GTGACAGGAA AGGATTATTT TACTCCTTTA ACGTAGCGTA ACAGACTCAT CCACAGTAAG 7321 TATTCTGGGG GGTGGGGTGG GGCAGGACAG CAAGGGGGGAG GATTGGGAAG ACAATAGCAG ATAAGACCCC CCACCCCACC CCGTCCTGTC GTTCCCCCTC CTAACCCTTC TGTTATCGTC 7381 GCATGCGCAG GGCCCAATTG CTCGAGCGGC CGCAATAAAA TATCTTTATT TTCATTACAT CGTACGCGTC CCGGGTTAAC GAGCTCGCCG GCGTTATTTT ATAGAAATAA AAGTAATGTA 7441 CTGTGTGTG GTTTTTTGTG TGAATCGTAA CTAACATACG CTCTCCATCA AAACAAAACG GACACACAC CAAAAAACAC ACTTAGCATT GATTGTATGC GAGAGGTAGT TTTGTTTTGC 7501 AAACAAAACA AACTAGCAAA ATAGGCTGTC CCCAGTGCAA GTGCAGGTGC CAGAACATTT TTTGTTTTGT TTGATCGTTT TATCCGACAG GGGTCACGTT CACGTCCACG GTCTTGTAAA

FIG. 1F

Sheet 7 of 7
Title: SELECTION SYSTEMS FOR GENETICALLY MODIFIED

CELL
Applicant: JENSEN, M.
Filed: April 30, 2001
Examiner: Unassigned
Our Docket No.: 24751-2502

Serial No.: 09/846,637 Art Unit: 1645

	7561	CTCTATCGAA	GGATCTGCGA	TCGCTCCGGT	GCCCGTCAGT	GGGCAGAGCG	CACATCGCCC
		GAGATAGCTT	CCTAGACGCT	AGCGAGGCCA	CGGGCAGTCA	CCCGTCTCGC	GTGTAGCGGG
1	7621	ACAGTCCCCG	AGAAGTTGGG	GGGAGGGGTC	GGCAATTGAA	CCGGTGCCTA	GAGAAGGTGG
		TGTCAGGGGC	TCTTCAACCC	CCCTCCCCAG	CCGTTAACTT	GGCCACGGAT	CTCTTCCACC
	7681	CGCGGGGTAA	ACTGGGAAAG	TGATGTCGTG	TACTGGCTCC	GCCTTTTTCC	CGAGGGTGGG
		GCGCCCCATT	TGACCCTTTC	ACTACAGCAC	ATGACCGAGG	CGGAAAAAGG	GCTCCCACCC
	7741	GGAGAACCGT	ATATAAGTGC	AGTAGTCGCC	GTGAACGTTC	TTTTTCGCAA	CGGGTTTGCC
		CCTCTTGGCA	TATATTCACG	TCATCAGCGG	CACTTGCAAG	AAAAAGCGTT	GCCCAAACGG
	7801	GCCAGAACAC	AGCTGAAGCT	TCGAGGGGCT	CGCATCTCTC	CTTCACGCGC	CCGCCGCCCT
144 144		CGGTCTTGTG	TCGACTTCGA	AGCTCCCCGA	GCGTAGAGAG	GAAGTGCGCG	GGCGGCGGA
	7861	ACCTGAGGCC	GCCATCCACG	CCGGTTGAGT	CGCGTTCTGC	CGCCTCCCGC	CTGTGGTGCC
:===		TGGACTCCGG	CGGTAGGTGC	GGCCAACTCA	GCGCAAGACG	GCGGAGGGCG	GACACCACGG
The second	7921	TCCTGAACTG	CGTCCGCCGT	CTAGGTAAGT	TTAAAGCTCA	GGTCGAGACC	GGGCCTTTGT
		AGGACTTGAC	GCAGGCGGCA	GATCCATTCA	AATTTCGAGT	CCAGCTCTGG	CCCGGAAACA
	7981	CCGGCGCTCC	CTTGGAGCCT	ACCTAGACTC	AGCCGGCTCT	CCACGCTTTG	CCTGACCCTG
		GGCCGCGAGG	GAACCTCGGA	TGGATCTGAG	TCGGCCGAGA	GGTGCGAAAC	GGACTGGGAC
	8041	CTTGCTCAAC	TCTACGTCTT	TGTTTCGTTT	TCTGTTCTGC	GCCGTTACAG	ATCCAAGCTG
		GAACGAGTTG	AGATGCAGAA	ACAAAGCAAA	AGACAAGACG	CGGCAATGTC	TAGGTTCGAC
	8101	TGACCGGCGC	CTACGTAAGT	GATATCTACT	AGATTTATCA	AAAAGAGTGT	TGACTTCTGA
		ACTGGCCGCG	GATGCATTCA	CTATAGATGA	TCTAAATAGT	TTTTCTCACA	ACTGAACACT
	8161	GCGCTCACAA	TTGATACTTA	GATTCATCGA	GAGGGACACG	TCGACTACTA	ACCTTCTTCT
		CGCGAGTGTT	AACTATGAAT	CTAAGTAGCT	CTCCCTGTGC	AGCTGATGAT	TGGAAGAAGA
	8221	CTTTCCTACA	GCTGAGAT				
		GAAAGGATGT	CGACTCTA				

FIG. 1G